

Newark Water Department (NJ0714001)

Population Served: 273,000

City/County Newark/Essex

Source: Surface Water (Pequannock River Intake off the Charlotteburg Reservoir)
Purchases water from NJDWSC Wanaque North (NJ1613001)
Purchases water from Belleville Water Dept. (NJ0701001)

Treatment: Direct Filtration at Pequannock Treatment Plant, coagulation, gas chlorination, pH adjustment and silicate inhibitor for corrosion control
Filtration at Little Falls Bypass
Filtration at Cedar Grove Reservoir

Violations (2015-2017): All violations have been returned to Compliance.

| Violation Type | Contaminant Name | Result (ug/l) | Compliance Period Begin Date | Compliance Period End Date |
|---|------------------------------|---------------|------------------------------|----------------------------|
| Maximum Contaminant Level Violation, Average | TTHM | 84.4 | 01-Jul-15 | 30-Sep-15 |
| Monitoring, Repeat Major (TCR) | Coliform (TCR) | | 01-Nov-15 | 30-Nov-15 |
| Maximum Contaminant Level Violation, Average | TTHM | 86.0 | 01-Oct-15 | 31-Dec-15 |
| Maximum Contaminant Level Violation, Average | TTHM | 90.0 | 01-Jan-16 | 31-Mar-16 |
| Treatment Technique (SWTR and GWR) | Surface Water Treatment Rule | | 01-Nov-15 | 30-Nov-15 |
| Treatment Technique (SWTR and GWR) | Surface Water Treatment Rule | | 01-Dec-15 | 31-Dec-15 |
| Treatment Technique (SWTR and GWR) | Surface Water Treatment Rule | | 01-Jan-16 | 31-Jan-16 |
| Treatment Technique (SWTR and GWR) | Surface Water Treatment Rule | | 01-Feb-16 | 29-Feb-16 |
| Maximum Contaminant Level Violation, Average | TTHM | 82.0 | 01-Apr-16 | 30-Jun-16 |
| Consumer Confidence Report Complete Failure to Report | Consumer Confidence Rule | | 01-Jul-16 | |
| Water Quality Parameter M/R | Lead and Copper Rule | | 01-Jul-16 | 31-Dec-16 |
| Monitoring, Regular | CYANIDE | | 01-Jan-17 | 31-Dec-17 |

Lead 90th Percentile Results (2015-2017)

| Lead 90 th %ile (mg/L) | Sampling Start Date | Sampling End Date |
|-----------------------------------|---------------------|-------------------|
| 0.0100 | 01/01/2013 | 12/31/2015 |
| 0.0270 | 01/01/2017 | 06/30/2017 |
| 0.0267 | 07/01/2017 | 12/31/2017 |

Lead Action Level = .015 mg/l